

Notice of Allowability

Application No.

10/022,505

Examiner

Russell L. Guill

Applicant(s)

JACOBSZ, COENRAAD J.

Art Unit

2123

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed October 6, 2005.
2. ☒ The allowed claim(s) is/are 1-9, 11-14.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DETAILED ACTION

Allowable Subject Matter

1. Claims 1 - 9 and 11 - 14 are allowed.
2. The following is an examiner's statement of reasons for allowance:
 - a. Regarding claim 1, while IBM Technical Disclosure ("Multiple Control Unit/Device Emulator for Testing Computer Programs", September 1971) teaches using a computer to emulate a peripheral device, and Comer teaches emulating a printer, none of these references taken either alone or in combination with the prior art of record disclose a print engine simulator having all of the claimed features of Applicant's instant invention, specifically including "interpreter means for interpreting a communication from the print controller into hierarchical communication elements; a state machine representation of the print engine, said state machine being responsive to the communication from the print controller, and display means adapted to display at least one of the communication from the print controller, the hierarchical communication elements, and a communication from the state machine in response to the communication from the print controller." It is for these reasons that the Applicant's invention defines over the prior art of record.
 - b. Regarding claim 7, while IBM Technical Disclosure ("Multiple Control Unit/Device Emulator for Testing Computer Programs", September 1971) teaches using a computer to emulate a peripheral device, and Comer teaches emulating a printer, none of these references taken either alone or in combination with the prior art of record disclose a print engine simulator having all of the claimed features of Applicant's instant invention, specifically including "code for

providing a state machine representation of the print engine, said state machine being responsive to a communication from the print controller; code for interpreting said communication from the print controller into hierarchical communication elements; and code for displaying at least one of the communication from the print controller, the hierarchical communication elements, and a communication from the state machine in response to communication from the print controller." It is for these reasons that the Applicant's invention defines over the prior art of record.

c. Regarding claim 8, while IBM Technical Disclosure ("Multiple Control Unit/Device Emulator for Testing Computer Programs", September 1971) teaches using a computer to emulate a peripheral device, and Comer teaches emulating a printer, none of these references taken either alone or in combination with the prior art of record disclose a print engine simulator having all of the claimed features of Applicant's instant invention, specifically including "interpreter means for interpreting a communication from the print controller into hierarchical elements; a state machine representation of the print engine, said state machine being responsive to the communication from the print controller; and display means adapted to display at least one of the communication from the print controller, the hierarchical communication elements, and a communication from the state machine in response to the communication from the print controller." It is for these reasons that the Applicant's invention defines over the prior art of record.

d. Regarding claim 9, while IBM Technical Disclosure ("Multiple Control Unit/Device Emulator for Testing Computer Programs", September 1971) teaches using a computer to emulate a peripheral device, and Comer teaches

emulating a printer, none of these references taken either alone or in combination with the prior art of record disclose a method of simulating a print engine having all of the claimed features of Applicant's instant invention, specifically including "providing a state machine representation of the print engine, said state machine being responsive to a communication from the print controller; interpreting said communication from the print controller into hierarchical communication elements; and displaying at least one of the communication from the print controller, the hierarchical communication elements, and a communication from the state machine in response to the communication from the print controller." It is for these reasons that the Applicant's invention defines over the prior art of record.

e. Regarding claim 11, while IBM Technical Disclosure ("Multiple Control Unit/Device Emulator for Testing Computer Programs", September 1971) teaches using a computer to emulate a peripheral device, and Comer teaches emulating a printer, none of these references taken either alone or in combination with the prior art of record disclose a computer-readable medium storing a computer-executable program which directs a processor to execute a method for simulating a print engine having all of the claimed features of Applicant's instant invention, specifically including "code for providing a state machine representation of the print engine, said state machine being responsive to a communication from the print controller; code for interpreting said communication from the print controller into hierarchical communication elements; and code for displaying at least one of the communication from the print controller, the hierarchical communication elements, and a communication from the state machine in response to the communication from the print

controller." It is for these reasons that the Applicant's invention defines over the prior art of record.

3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

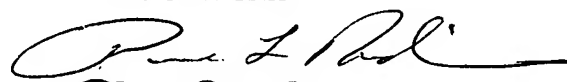
4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Russell L. Guill whose telephone number is 571-272-7955. The examiner can normally be reached on Monday - Friday 10:00 AM - 6:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Leo Picard can be reached on 571-272-3749. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Any inquiry of a general nature or relating to the status of this application should be directed to the TC2100 Group Receptionist: 571-272-2100.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

RG

Russ Guill
Examiner
Art Unit 2123


Paul L. Rodriguez 11/18/05
Primary Examiner
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